

SECTION 2: FORM PTO 1449 - MODIFIED

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant: Johnson, et al. Atty Dkt: 2204/C01
Serial No: ~~Not yet assigned~~ 09/933315 Date: August 20, 2001
Date Filed: ~~Herewith~~ 8/20/01
Invention: Optical Logic Devices Based on Stable, Non-Absorbing Optical Hard Limiters

Commissioner for Patents
Washington, DC 20231

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS'
INFORMATION DISCLOSURE STATEMENT

U.S. Documents

Exam. Ref.	Document	Issue			
Init.	No.	Number	Date	Name	Class
AA	AA	4,128,300	Dec. 5, 1978	Stotts, et al.	350/96.14
AB	AB	4,262,992	Apr. 21, 1981	Berthold, III	350/96.14
AC	AC	4,573,767	Mar. 4, 1986	Jewell	350/354
AD	AD	4,764,889	Aug. 16, 1988	Hinton, et al.	364/807
AE	AE	4,864,536	Sept. 5, 1989	Lindmayer	365/119
AF	AF	4,894,818	Jan. 16, 1990	Fujioka, et al.	370/3
AG	AG	4,930,873	Jun. 5, 1990	Hunter	350/354
AH	AH	4,932,739	Jun. 12, 1990	Islam	350/96.15
AI	AI	4,962,987	Oct. 16, 1990	Doran	350/96.15
AJ	AJ	4,992,654	Feb. 12, 1991	Crossland, et al.	250/213
AK	AK	5,078,464	Jan. 7, 1992	Islam	385/122
AL	AL	5,144,375	Sept. 1, 1992	Gabriel, et al.	356/345
AM	AM	5,315,422	May 24, 1994	Utaka, et al.	359/107
AN	AN	5,349,593	Sept. 20, 1994	Lomashevitch, et al.	372/50
AO	AO	5,461,507	Oct. 24, 1995	Westland, et al.	359/289
AP	AP	5,479,384	Dec. 26, 1995	Toth, et. al.	364/14
AQ	AQ	5,488,501	Jan. 30, 1996	Barnsley	359/137
AR	AR	5,537,243	Jul. 16, 1996	Fatehi, et al.	359/541

AS	5,67,232	Apr. 1, 1997	Takemori	359/108
AT	5,623,366	Apr. 22, 1997	Hait	359/577
AU	5,655,039	Aug. 5, 1997	Evans	385/27
AV	5,739,933	Apr. 14, 1998	Dembeck, et al.	359/117
AW	5,831,731	Nov. 3, 1998	Hall, et al.	356/345
AX	5,999,283	Dec. 7, 1999	Roberts, et al.	359/108
AY	5,999,284	Dec. 7, 1999	Roberts	359/108
AZ	6,005,791	Dec. 21, 1999	Gudesen, et al.	365/114
BA	6,041,126	Mar. 21, 2000	Teraai, et al.	381/71.6
BB	6,044,341	Mar. 28, 2000	Takahashi	704/226

Other Documents

Exam. Ref.

Init. No. Name

BC ✓	"Wave proagation in nonlinear photonic band-gap materials" Li, et. al., Physical Review B: Condensed Matter Vol. 53, No. 23, 15577-15585 (15 June 1996).
BD ✓	"The Interaction of Electromagnetic Radiation with Magnetic Media" http://www.qub.ac.uk/mp/con/magnetics_group/magnetoptics.html
BE ✓	"Three-Dimensional Arrays in Polymer Nanocomposites" Kumacheva, et al., Advanced Material, 1999, 11, No. 3.
BF ✓	"Intergrable, Low-Cost, All-Optical WDM Signal Processing: Narrowband Hard Limiters and Analog-to-Digital Converters" Sargent, et al., Jan. 2000.
BG ✓	"Nonlinear Distributed Feedback Structures for Optical Sensor Protection" Brzozowski, et al., April 2000.
BH ✓	"Optical Signal Processing Using Nonlinear Distributed Feedback Structures" Brzozowski, et al., IEEE Journal of Quantum Electronics, Vol. 36, No. 5, May 2000.
BI ✓	"All-Optical Analog-to-Digital Converter for Photonic Networks Using Multilevel Signaling" Brzozowski, et al., June, 2000
BJ ✓	"Photonic Crystals for Intergrated Optical Computing" Brzozowski, et al., June 2000.
BK ✓	"Nonlinear distributed-feedback structures as passive optical limiters" Brzozowski, et al., J. Opt. Soc. Am B, Vol. 17, No. 8, August 2000.
BL ✓	"Stability of Periodic Nonlinear Optical Structures for Limiting and Logic", Brzozowski, et al., Sept 2000.
BM ✓	"Transmission Regimes of Periodic Nonlinear Optical Structures" Pelinovsky, Dmitry, Rapid Communications, Physical Review E, Volume 62, Number 4, October 2000.
BN ✓	"Nonlinear Disordered Media for Broad-Band Optical Limiting" Brzozowski, et al., IEEE Journal of Quantum Electronics, Vol. 36, No. 11, November 2000.
BO ✓	"Realization of All-Optical Ultrafast Logic Gates Using Triple Core Asymmetric Nonlinear Directional Coupler", Natasa Trivunac-Vukovic, Journal of Optical Communications, 2001.
BP ✓	"All-Optical Analog-to Digital Converters, Hardlimiters, and Logic Gates", Brzozowski, et al., Journal of Lightwave Technology, Vol. 19, No. 1, January 2001.
BQ ✓	"Stable All-Optical Limiting in Nonlinear Periodic Structures", Pelinovsky, et al., February 8, 2001.

BR "All-Optical Signal Processing and Packet Forwarding Using Nonmonotonic Intensity Transfer Characteristics", Johnson, E.V., A thesis submitted in conformity with the requirements for the degree of Master of Applied Science Graduate Department of electrical and Computer Engineering Univeristy of Toronto, 2001.

Examiner: Amel C. Lamine

Date Considered: 12/6/02

NOTE FOR EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance AND not considered. Include copy of this form with next communication to applicant.